FIG. 1A

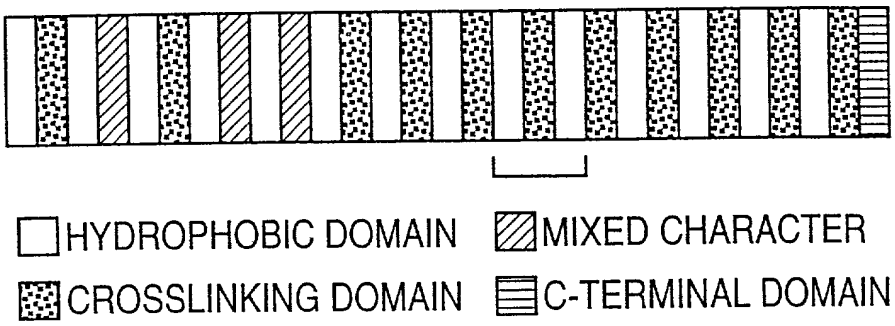

FIG. 1B

```
1          11         21         31         41         51
GGVPGAIPGG VPGGVFYPGA GLGALGGGAL GPGGKPLKPV PGGLAGAGLG AGLGAFPAVT
FPGALVPGGV ADAAAAYKAA KAGAGLGGVP GVGGLGVSAG AVVPQPGAGV KPGKVPGVGL
PGVYPGGVLP GARFPGVGVL PGVPTGAGVK PKAPGVGGAF AGIPGVGPFG GPQPGVPLGY
PIKAPKLPGG YGLPYTTGKL PYGYGPGGVA GAAGKAGYPT GTGVGPQAAA AAAAKAAAKF
GAGAAGVLPG VGGAGVPGVP GAIPGIGGIA GVGTPAAAAA AAAAAKAAKY GAAAGLVPGG
PGFGPGVVGV PGAGVPGVGV PGAGIPVVPG AGIPGAAVPG VVSPEAAAKA AAKAAKYGAR
PGVGVGGIPT YGVGAGGFPG FGVGVGGIPG VAGVPSVGGV PGVGGVPGVG ISPFAQAAAA
AKAAKYGVGT PAAAAAKAAA KAAQFGLVPG VGVAPGVGVA PGVGVAPGVG LAPGVGVAPG
VGVAPGVGVA PGIGPGGVAA AAKSAAKVAA KAQLRAAAGL GAGIPGLGVG VGVPGLGVGA
GVPGLGVGAG VPGFGAGADE GVRRSLSPEL REGDPSSSQH LPSTPSSPRV PGALAAAKAA
KYGAAVPGVL GGLGALGGVG IPGGVVGAG PAAAAAAAKAA AKAAQFGLVG AAGLGGLGVG
GLGVPGVGGL GGIPPAAAAK AAKYGAAGL GGVLGGAGQFP LGGVAARPGF GLSPIFPGGA
CLGKACGRKR K
```

FIG. 1C

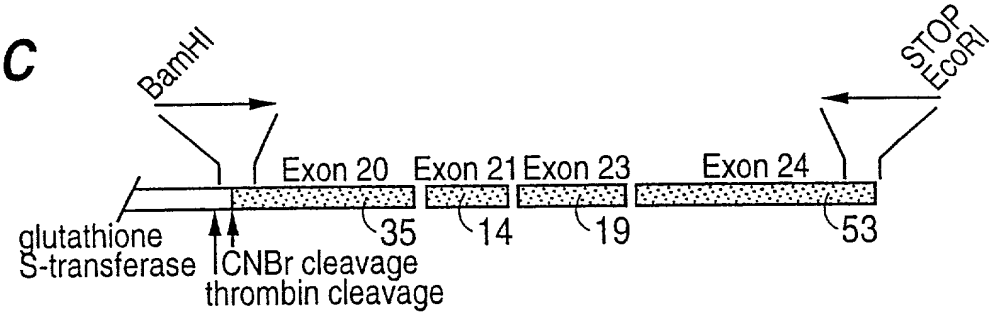

FIG. 1D

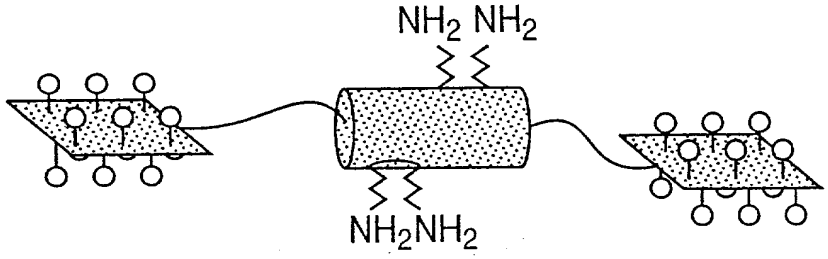

FIG. 1E

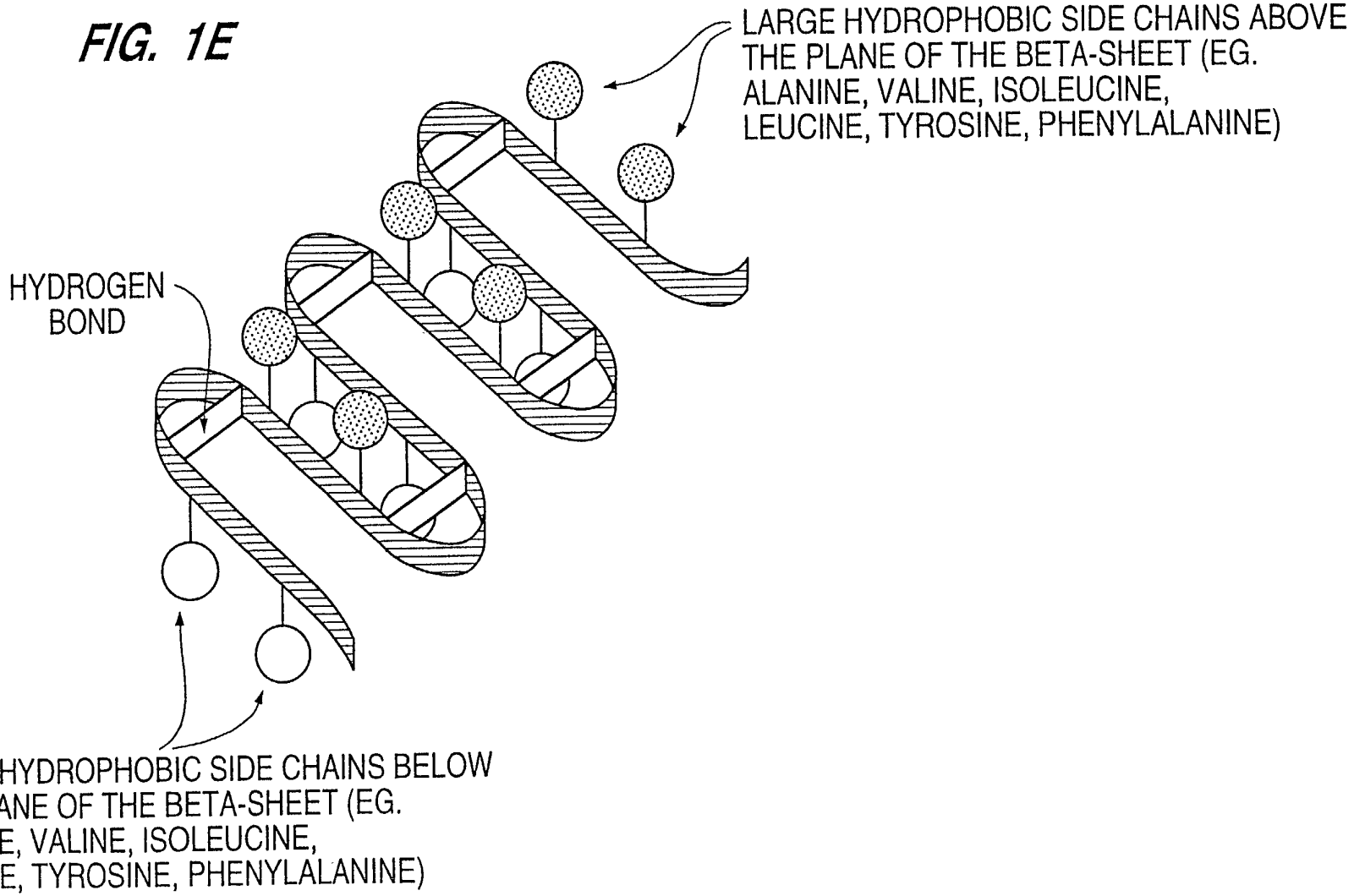
LARGE HYDROPHOBIC SIDE CHAINS ABOVE THE PLANE OF THE BETA-SHEET (EG. ALANINE, VALINE, ISOLEUCINE, LEUCINE, TYROSINE, PHENYLALANINE)
HYDROGEN BOND
LARGE HYDROPHOBIC SIDE CHAINS BELOW THE PLANE OF THE BETA-SHEET (EG. ALANINE, VALINE, ISOLEUCINE, LEUCINE, TYROSINE, PHENYLALANINE)

FIG. 2

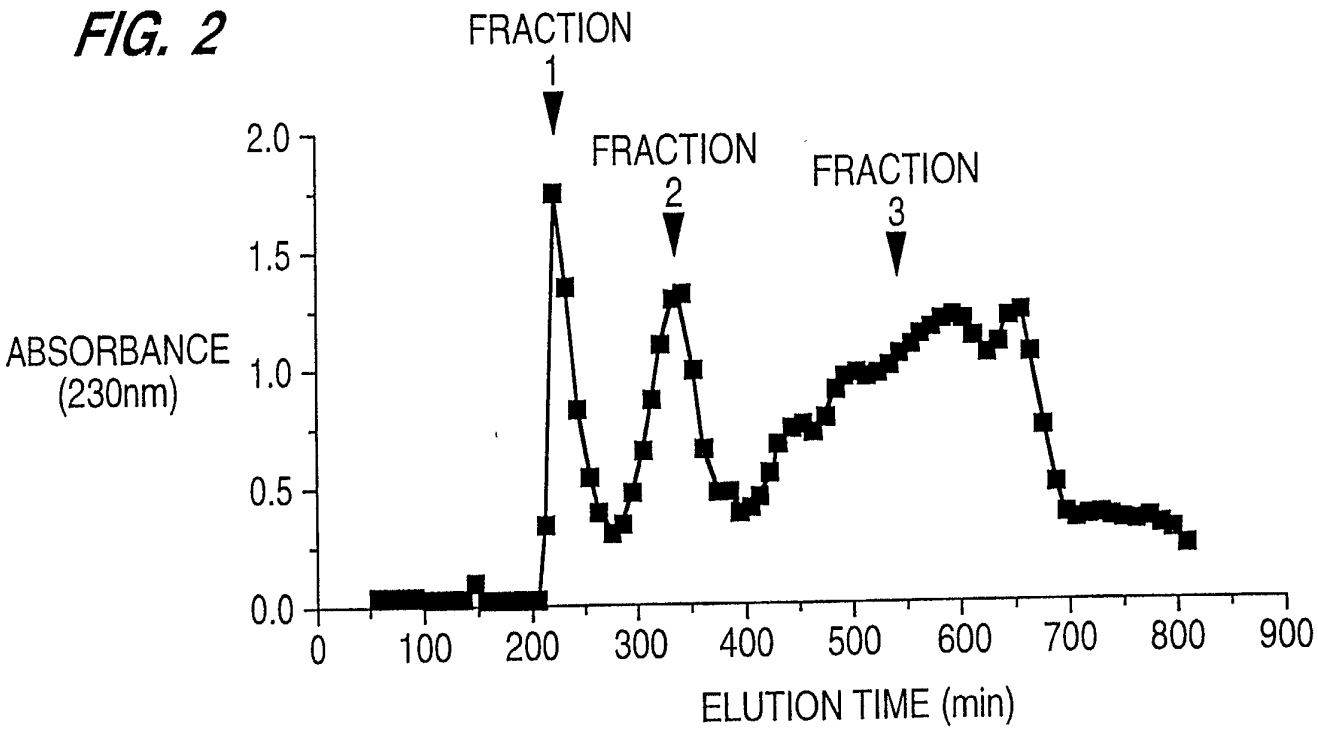

FIG. 3

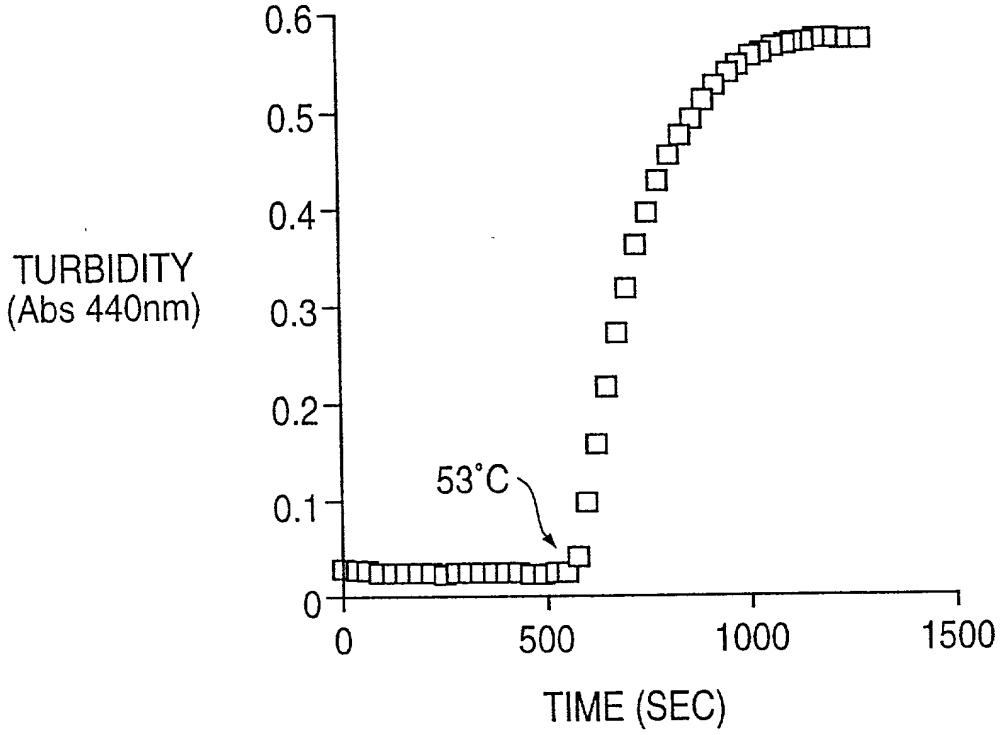
TURBIDITY
(Abs 440nm)
0.6
0.5
0.4
0.3
0.2
0.1
0
53°C
0
500
1000
1500
TIME (SEC)

FIG. 4A

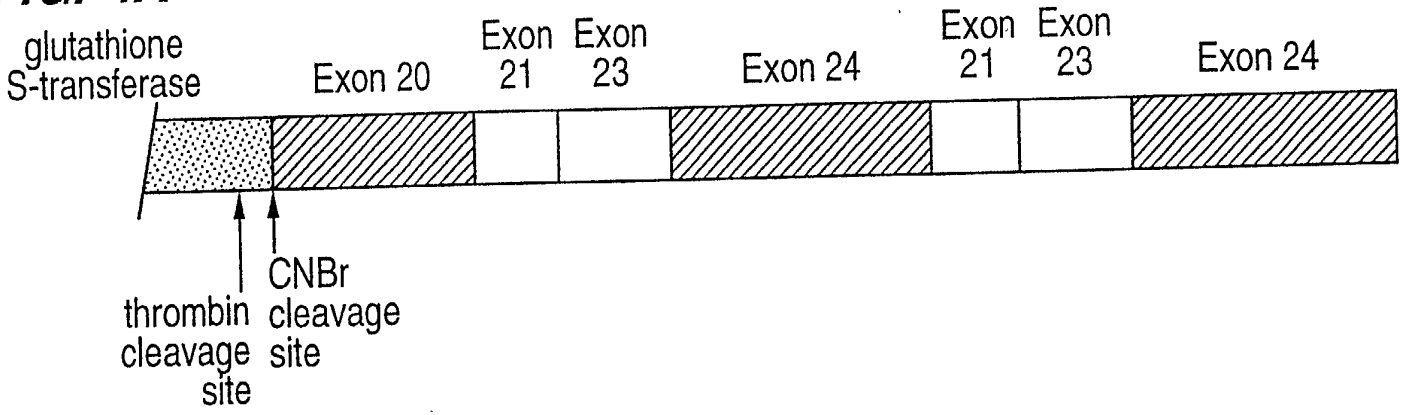

FIG. 4B

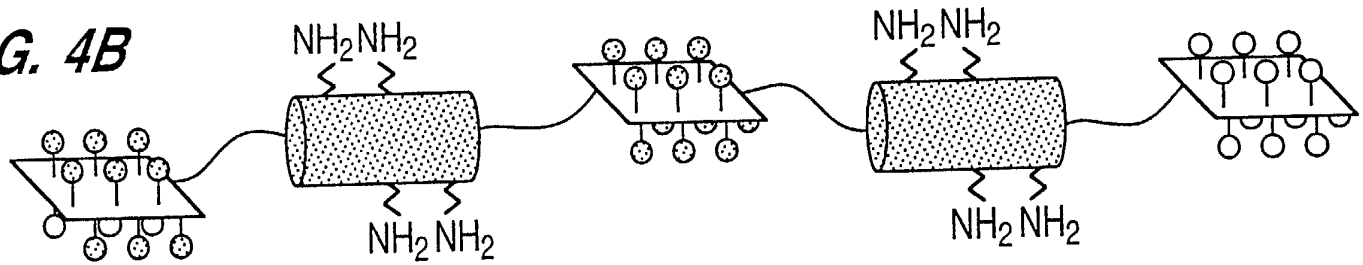

FIG. 4C

FPGFGVGVGG IPGVAGVPGV GGVPGVGGVP GVGISPEAQA AAAAKAAKYG
VGTPAAAAAK AAAKAAQFGL VPGVGVAPGV GVAPGVGVAP GVGLAPGVGV
APGVGVAPGV GVAPAIGP E AQAAAAAKAA KYGVGTPAAA AAKAAAKAAQ
FGLVPGVGVA PGVGVAPGVG VAPGVGLAPG VGVAPGVGVA PGVGVAPAIG P

FIGURE 5A

PGFGVGVGGI	PGVAGVPGVG	GVPGVGGVPG	VGISPEAQAA
AAAKAAKYGV	GTPAAAAAKA	AAKAAQFGLV	PGVGVAPGVG
VAPGVGVAPG	VGLAPGVGVA	PGVGVAPGVG	VAPAIGP

FIGURE 5B

FPGFGVGVGG	IPGVAGVPGV	GGVPGVGGVP	GVGISPEAQA
AAAAKAAKYG	VGTPAAAAAK	AAAKAAQFGL	VPGVGVAPGV
GVAPGVGVAP	GVGLAPGVGV	APGVGVAPGV	GVAPAIGP

FIGURE 5C

PGFGVGVGGI	PGVAGVPGVG	GVPGVGGVPG	VGISPEAQAA
AAAKAAKYGV	GTPAAAAAKA	AAKAAQFGLV	PGVGVAPGVG
VAPGVGVAPG	VGLAPGVGVA	PGVGVAPGVG	VAPAIGPEAQ
AAAAAKAAKY	GVGTPAAAAA	KAAAKAAQFG	LVPGVGVAPG
VGVAPGVGVA	PGVGLAPGVG	VAPGVGVAPG	VGVAPAIGP